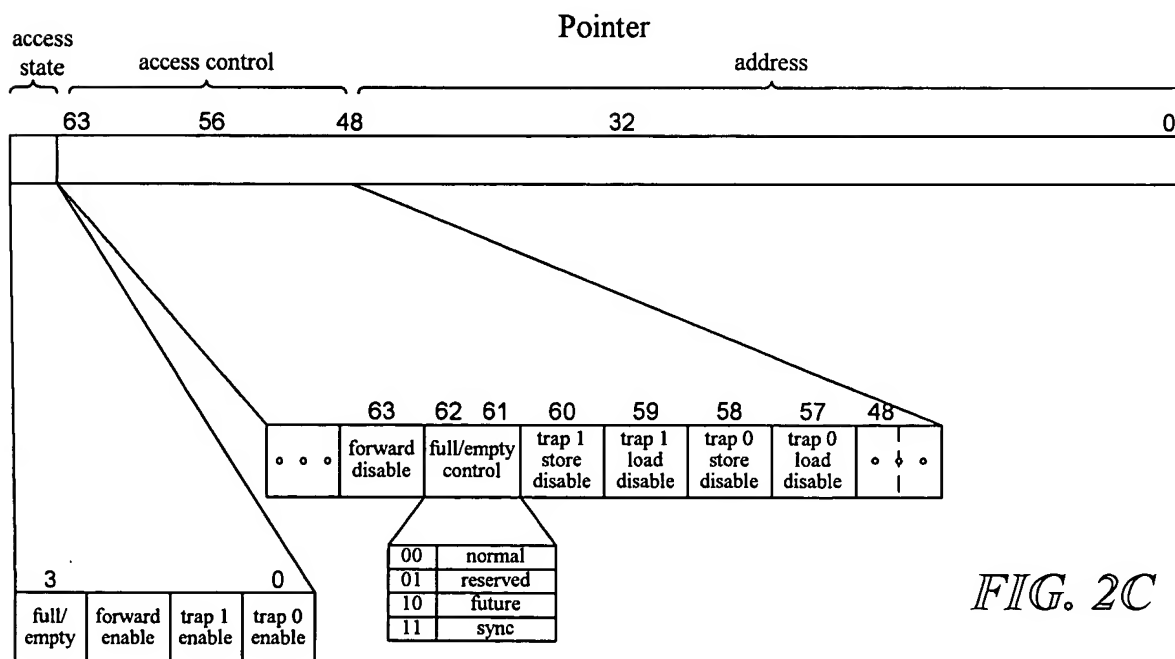
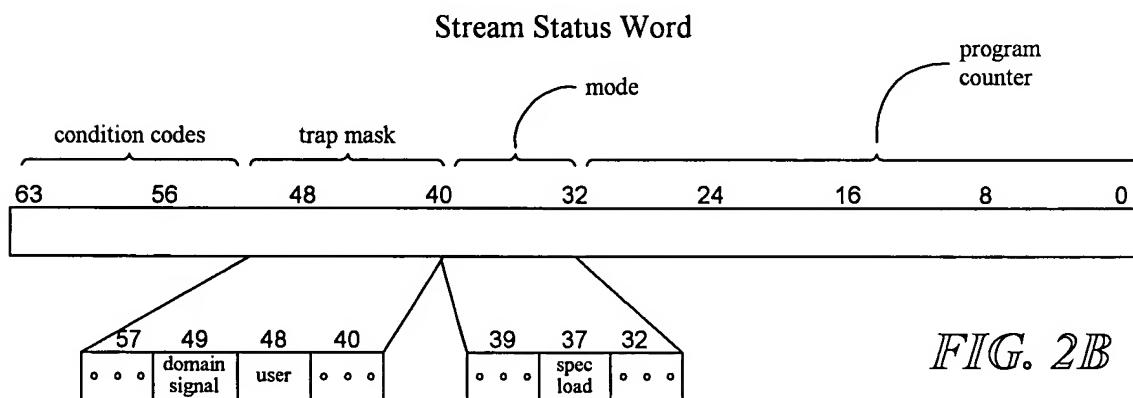
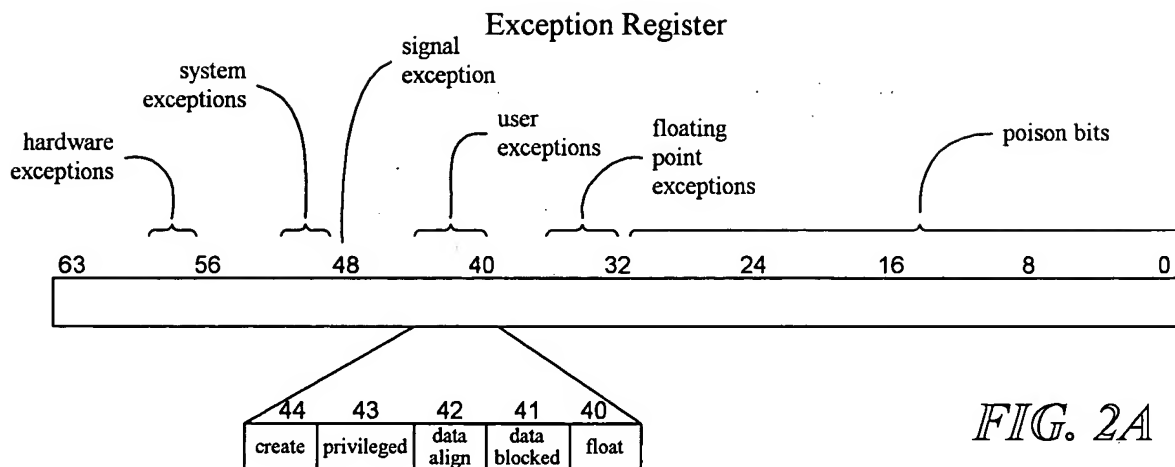


FIG. 1



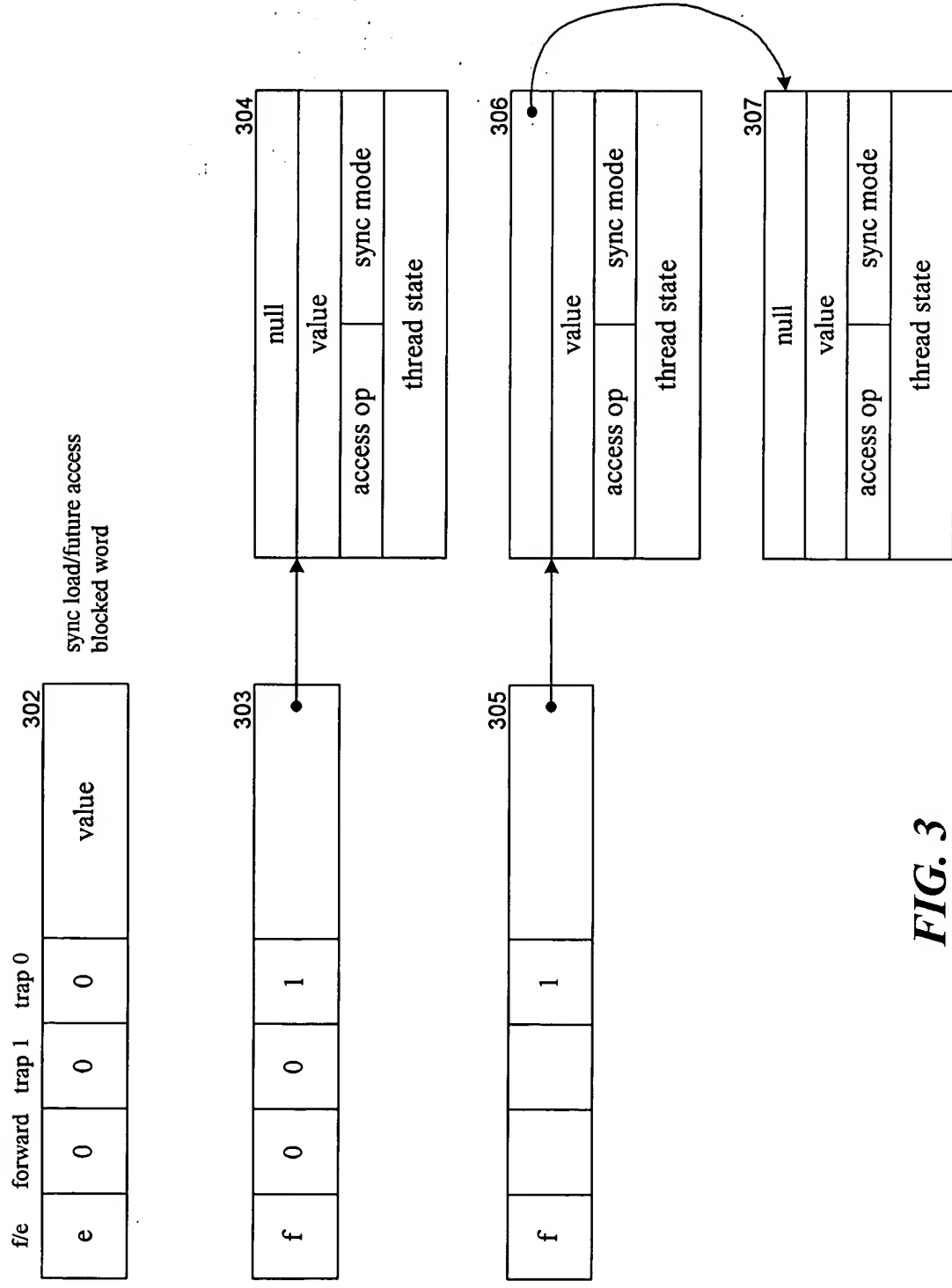


FIG. 3

<div> <div> <div>sync</div> <div>mode</div> </div> <div>current</div> <div>f/e</div> </div>		load			store		
		normal	sync	future	normal	sync	future
full		succeed	succeed	succeed	succeed	block	succeed
		full	empty [*]	full	full	N/A	full
empty		succeed	block	block	succeed	succeed	block
		empty	N/A	N/A	full [*]	full [*]	N/A

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FIG. 4

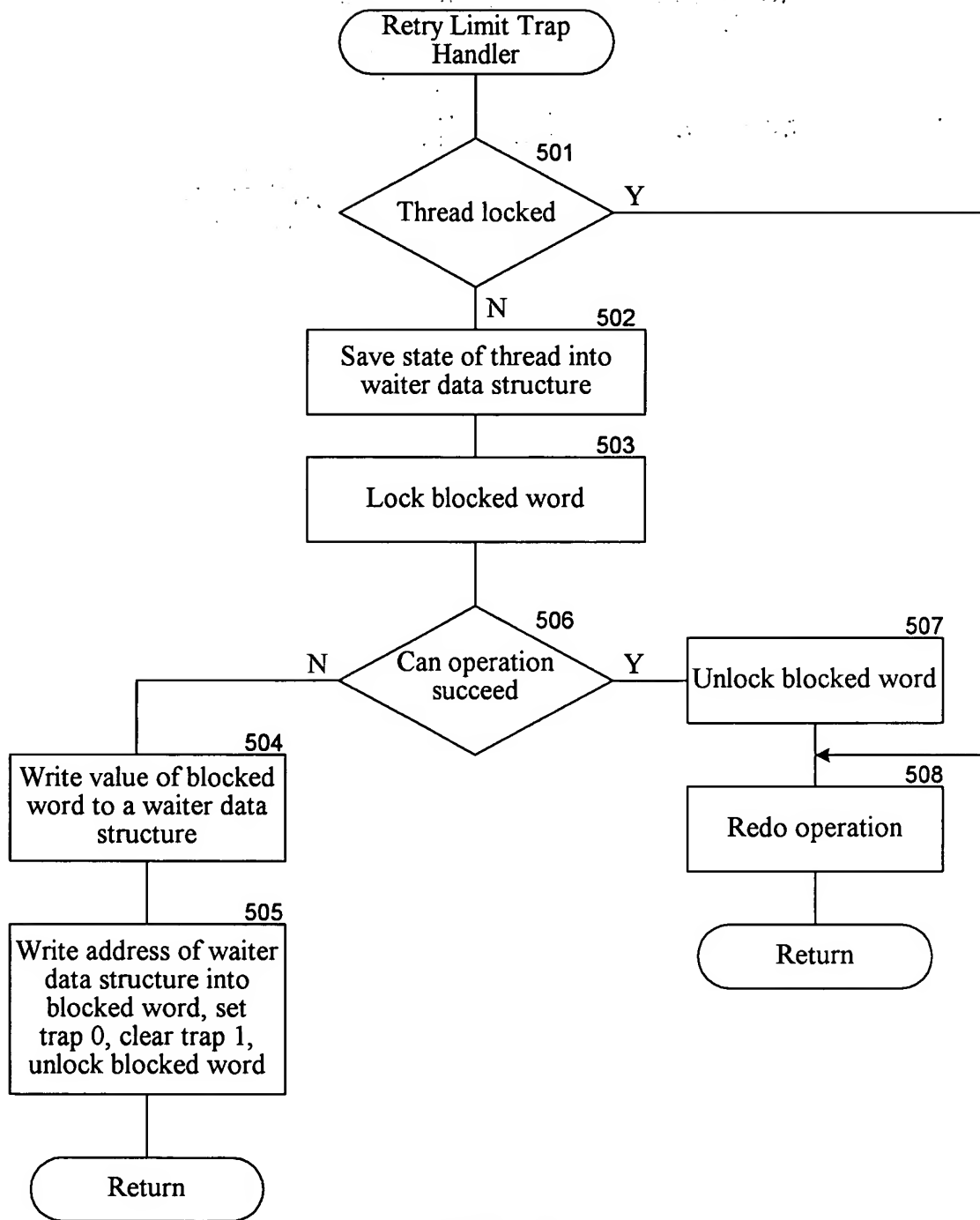


FIG. 5

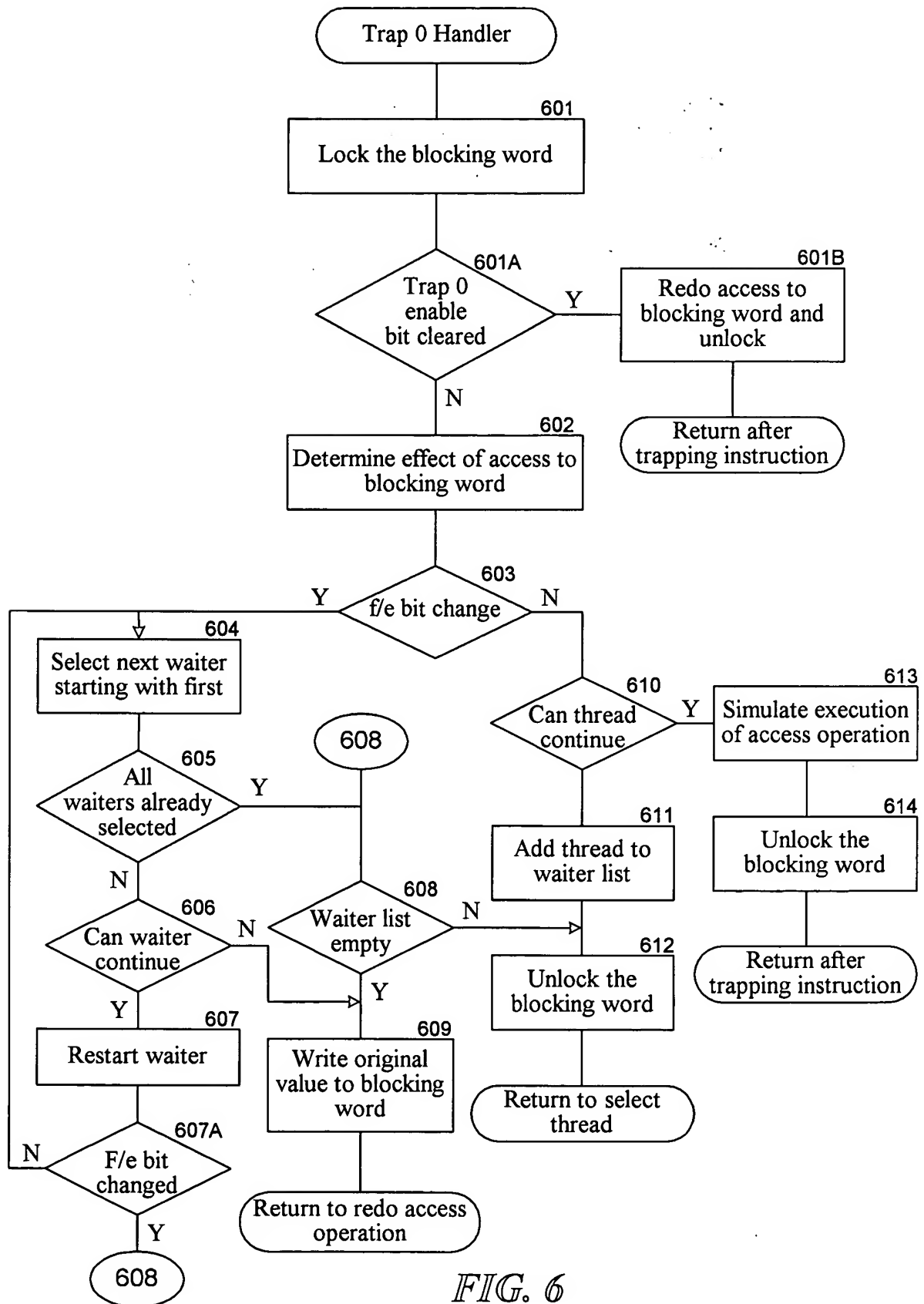


FIG. 6

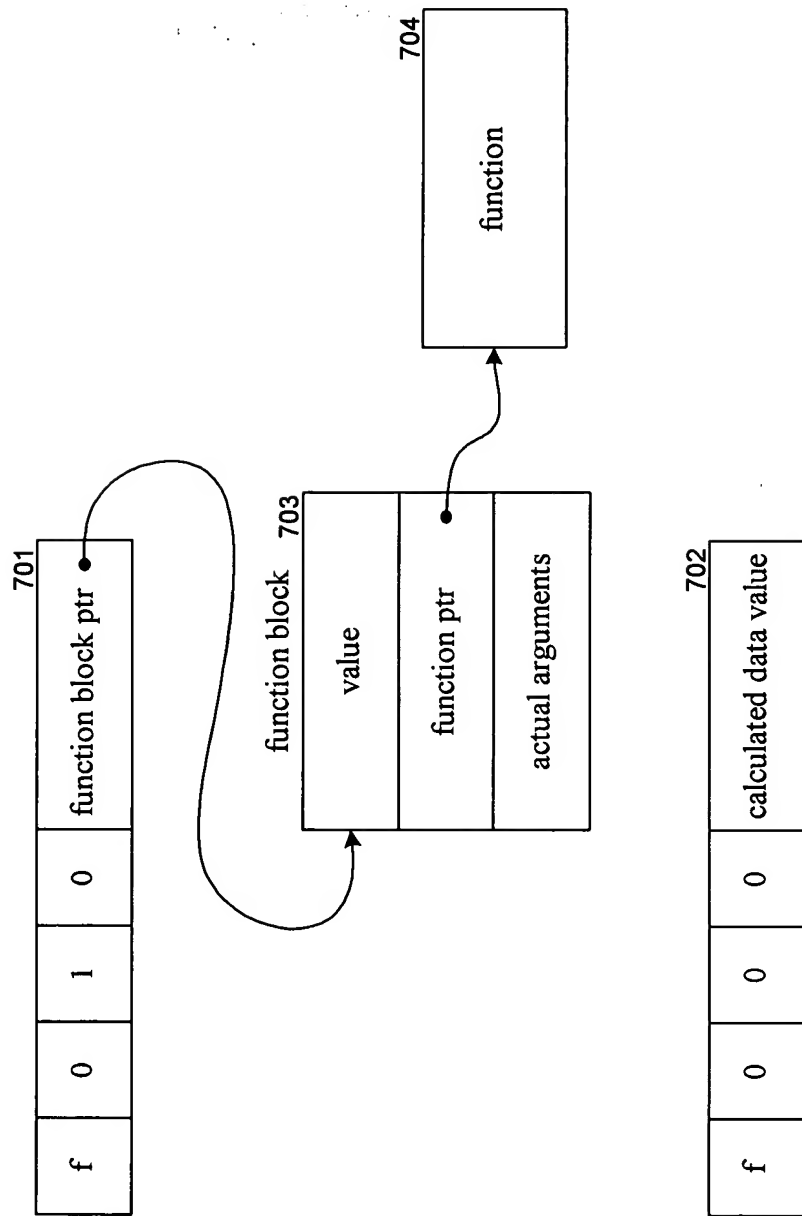


FIG. 7

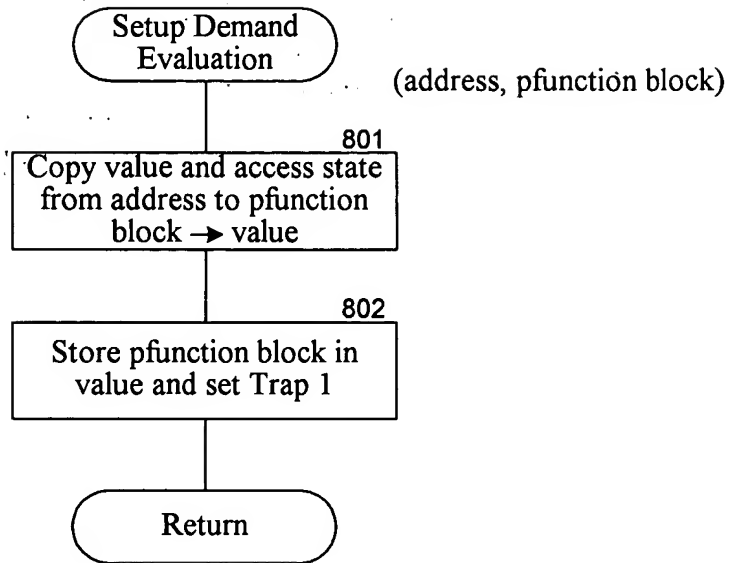


FIG. 8

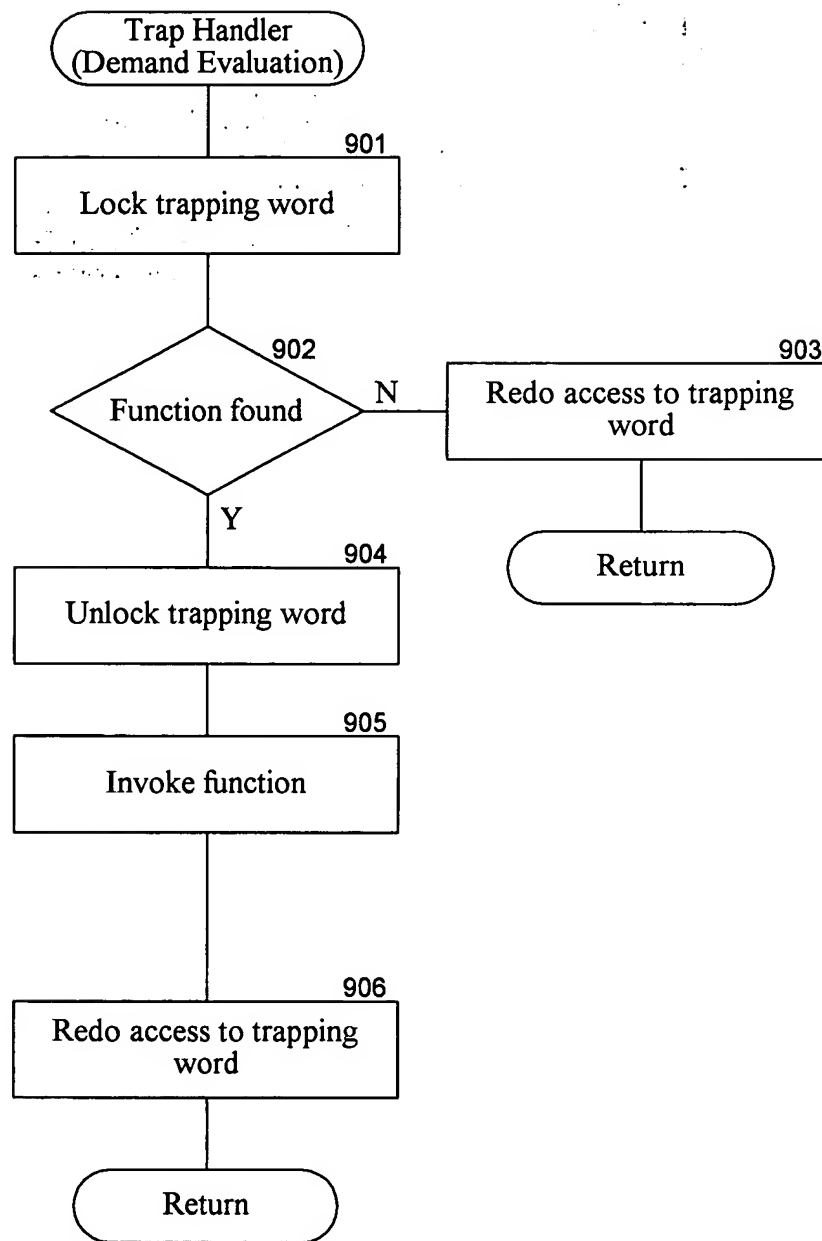


FIG. 9

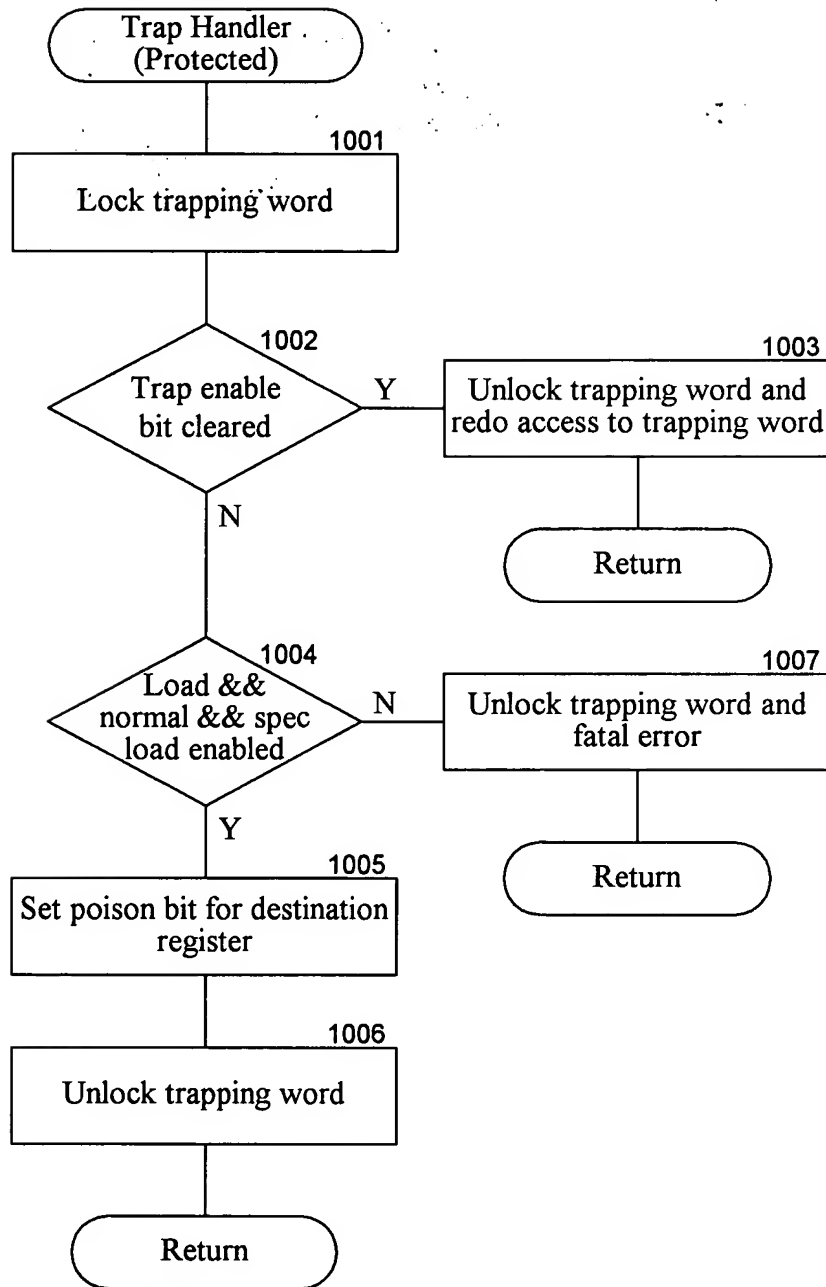


FIG. 10

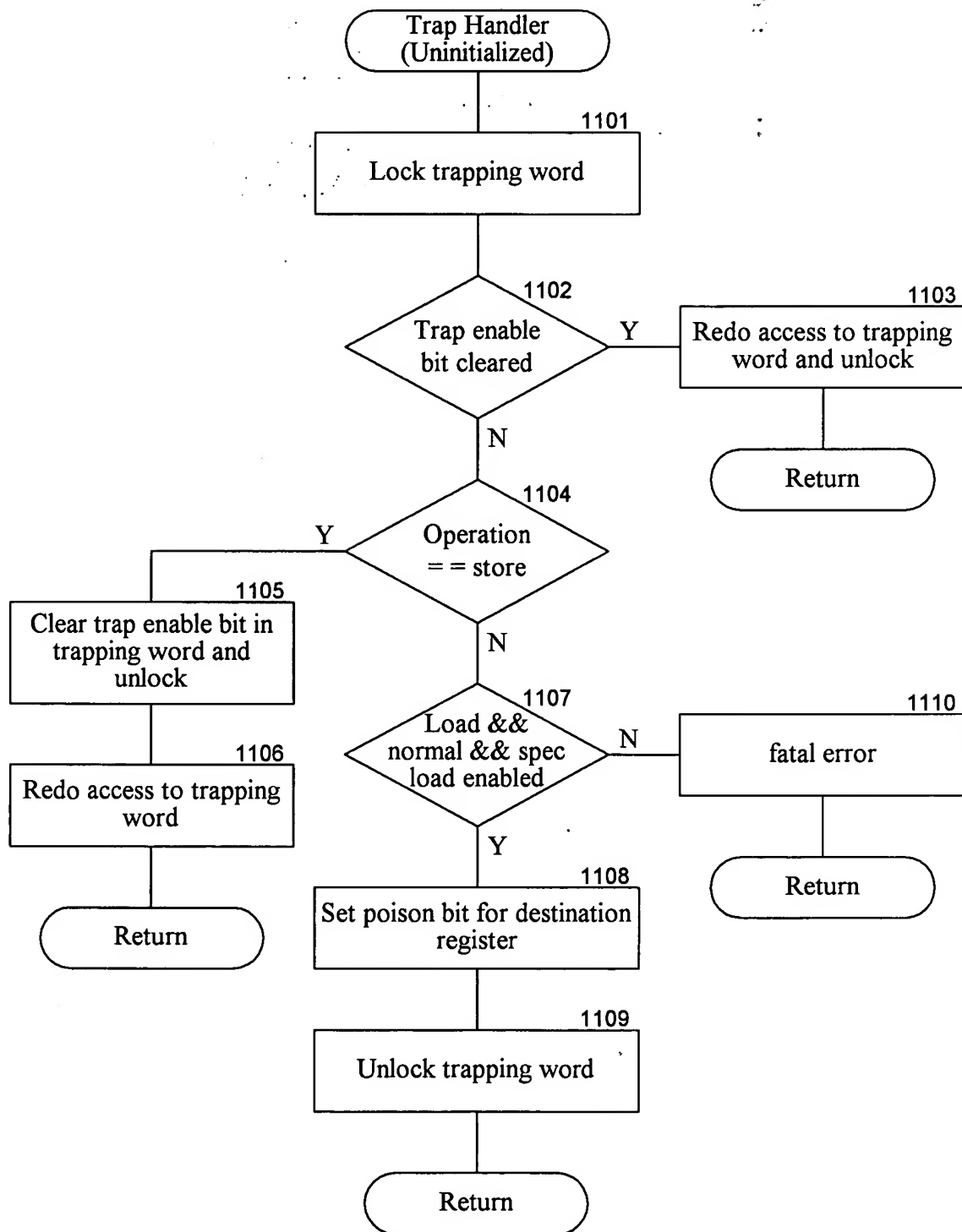


FIG. 11

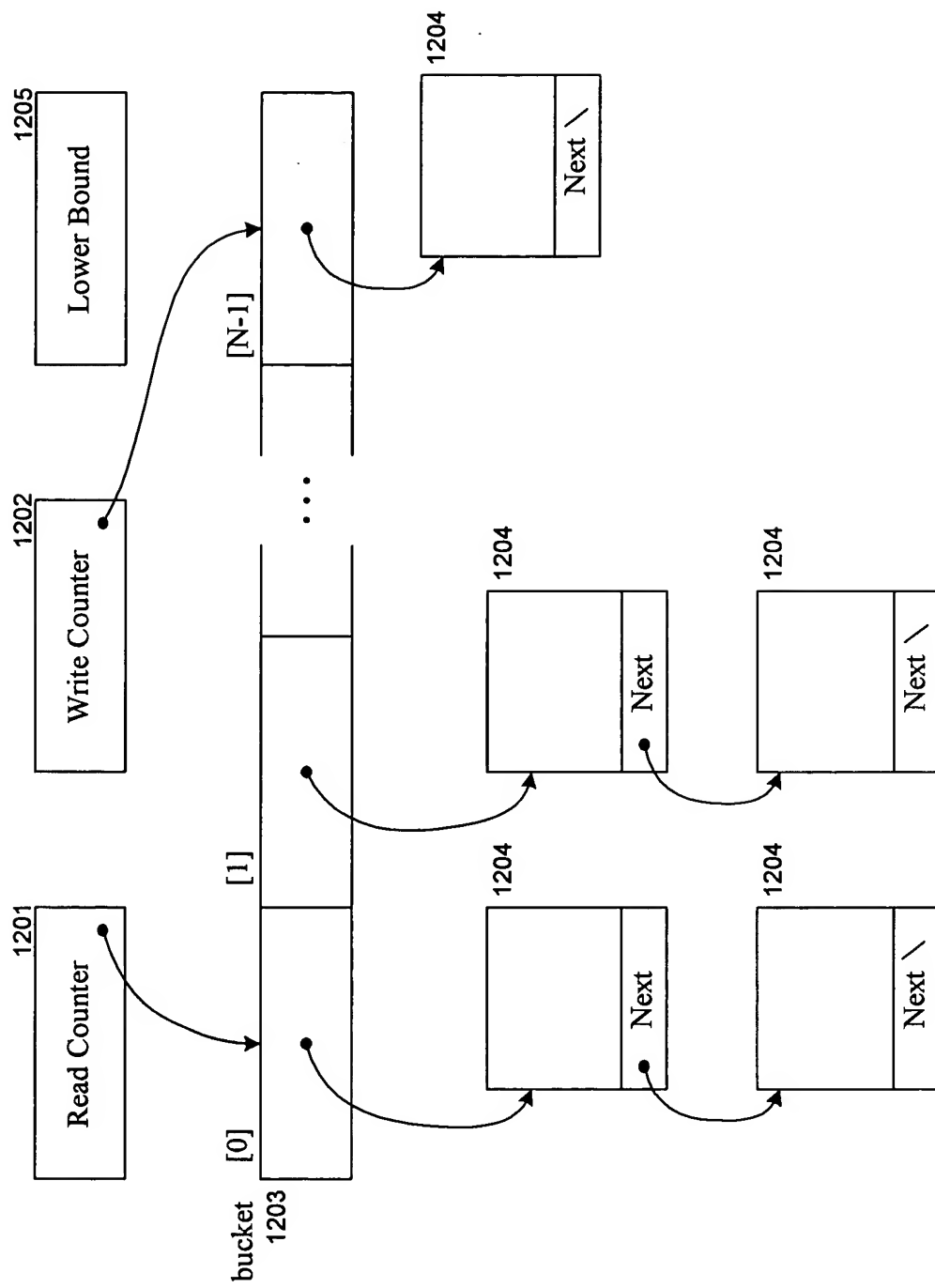


FIG. 12

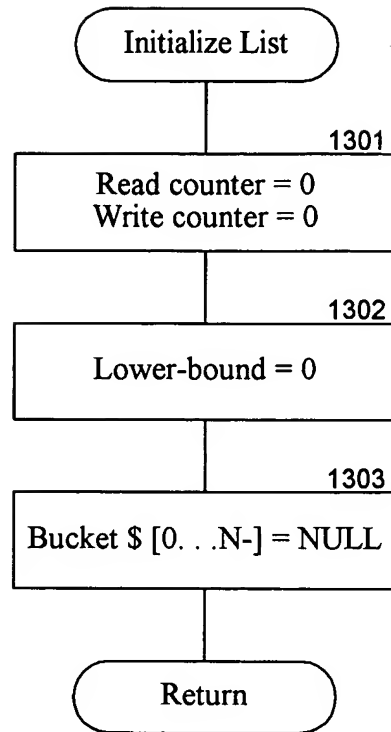


FIG. 13

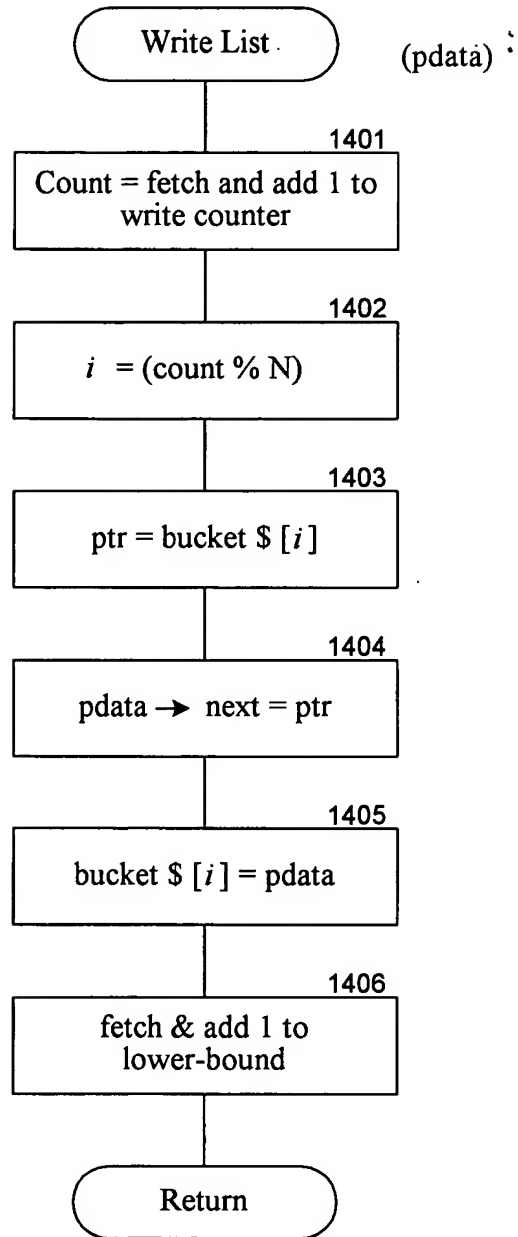


FIG. 14

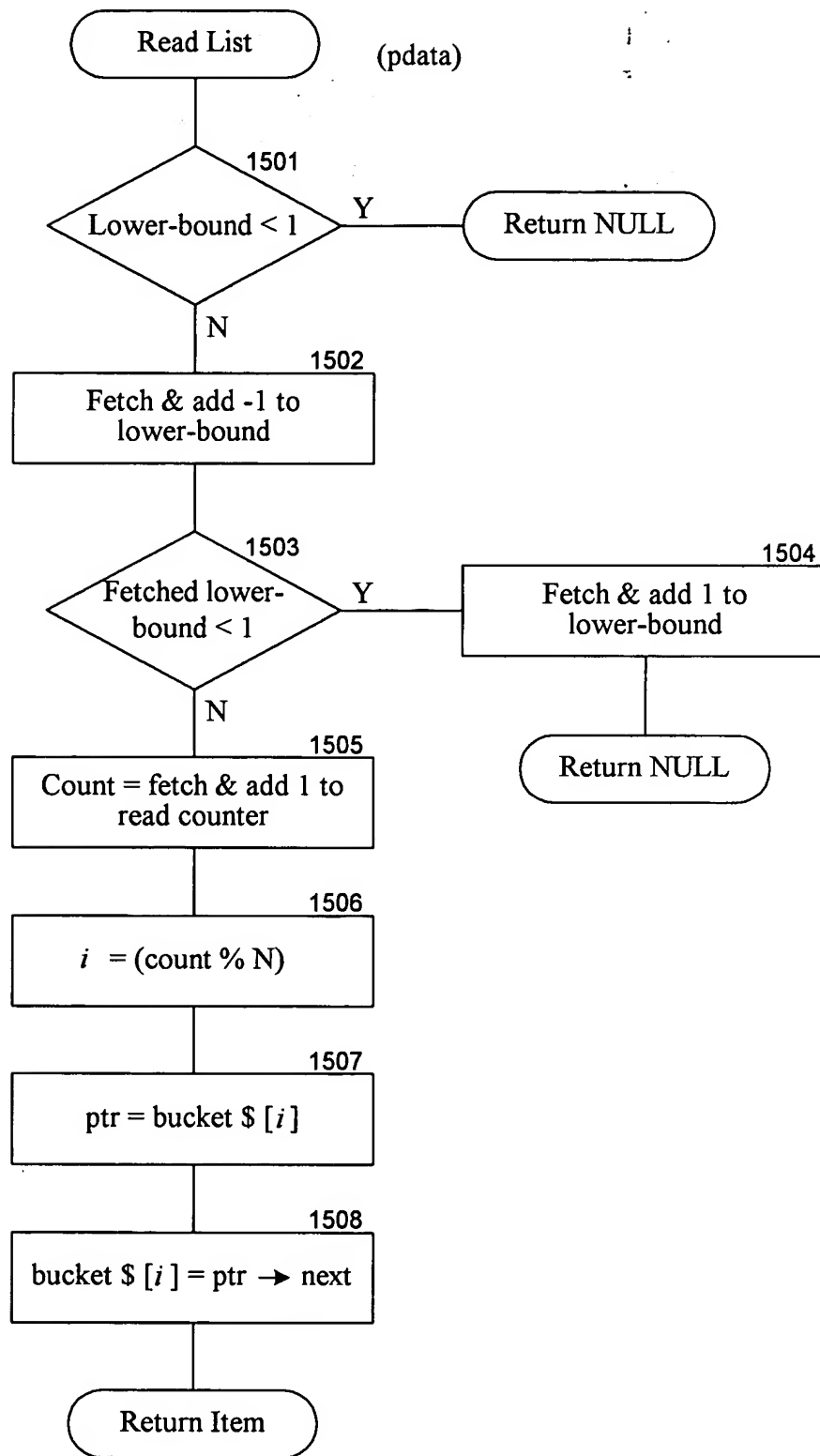


FIG. 15

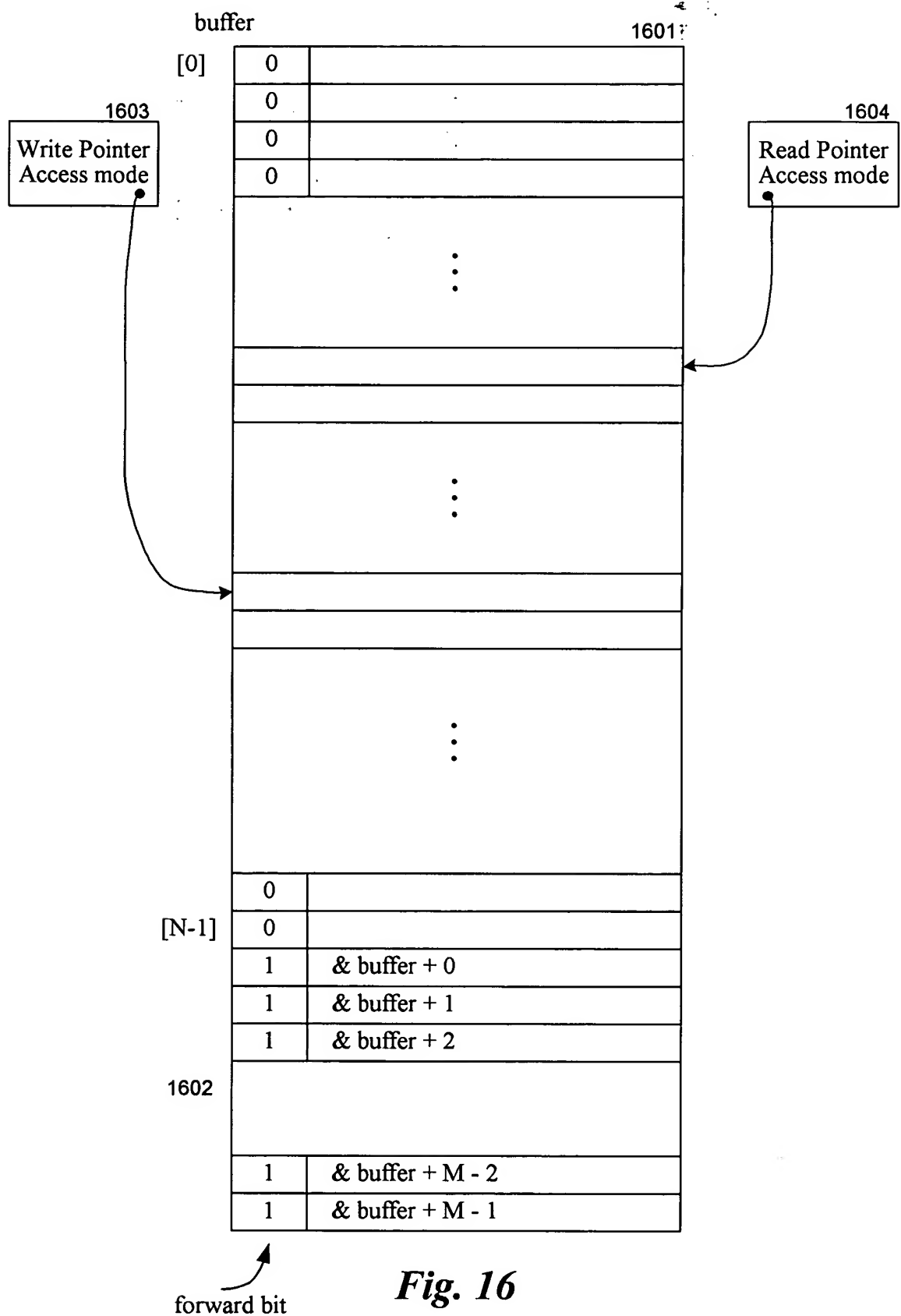


Fig. 16

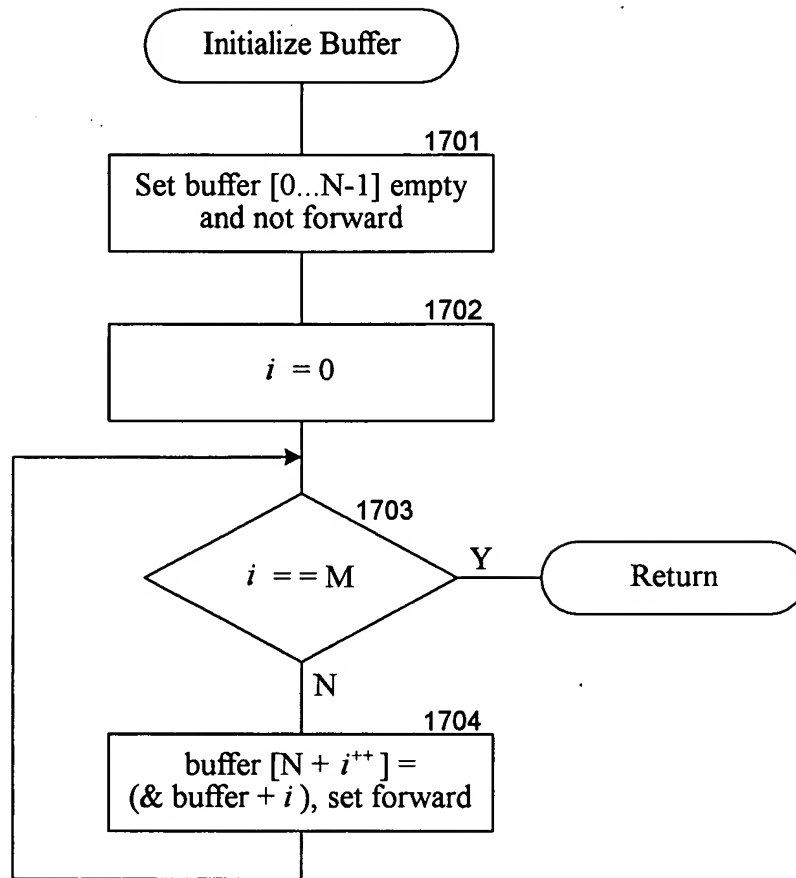


FIG. 17

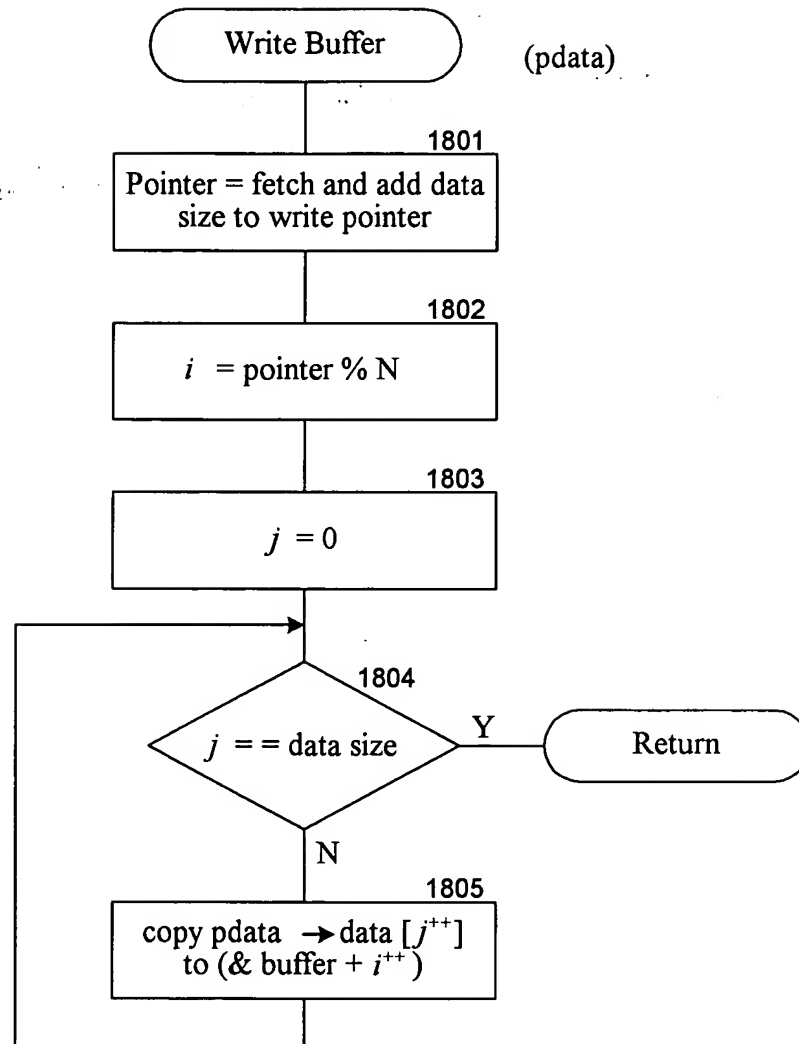


FIG. 18

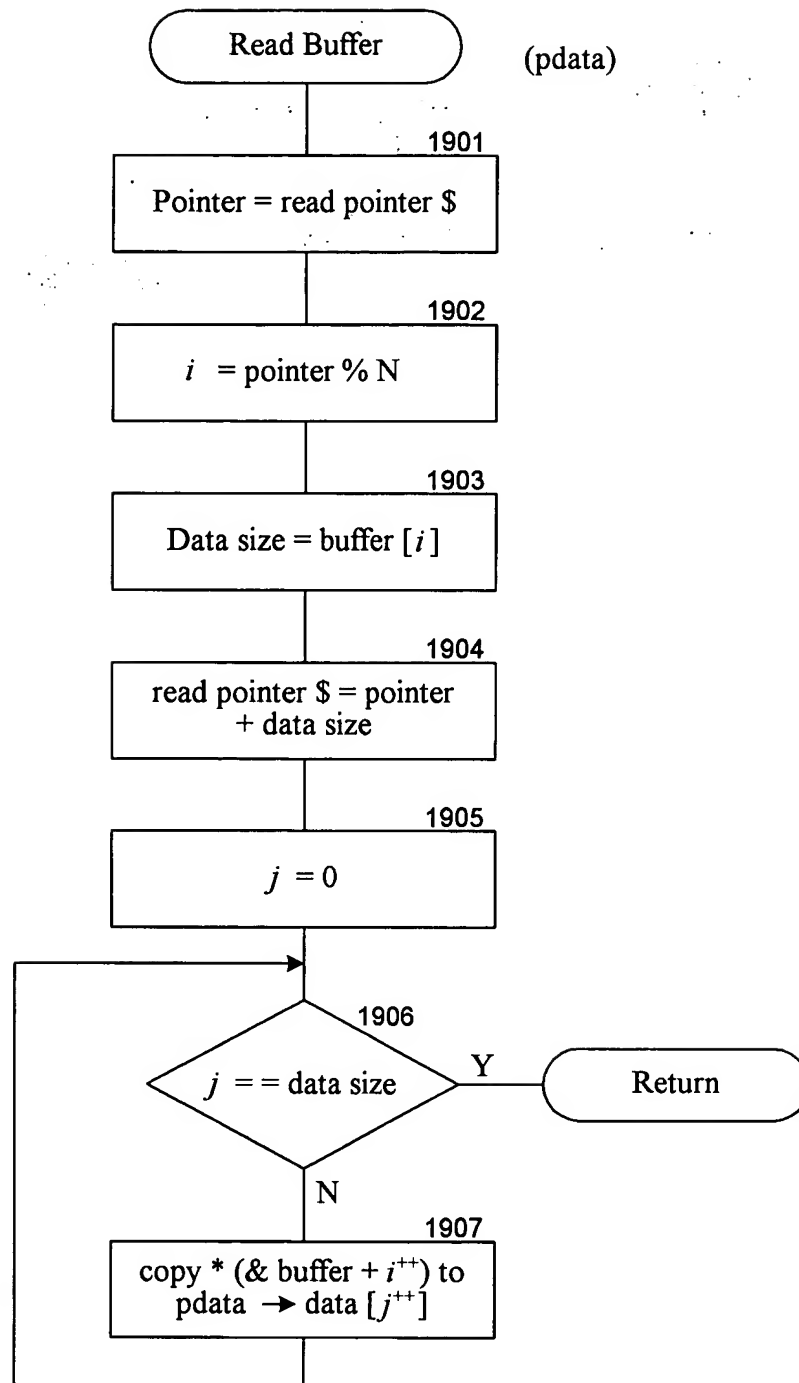
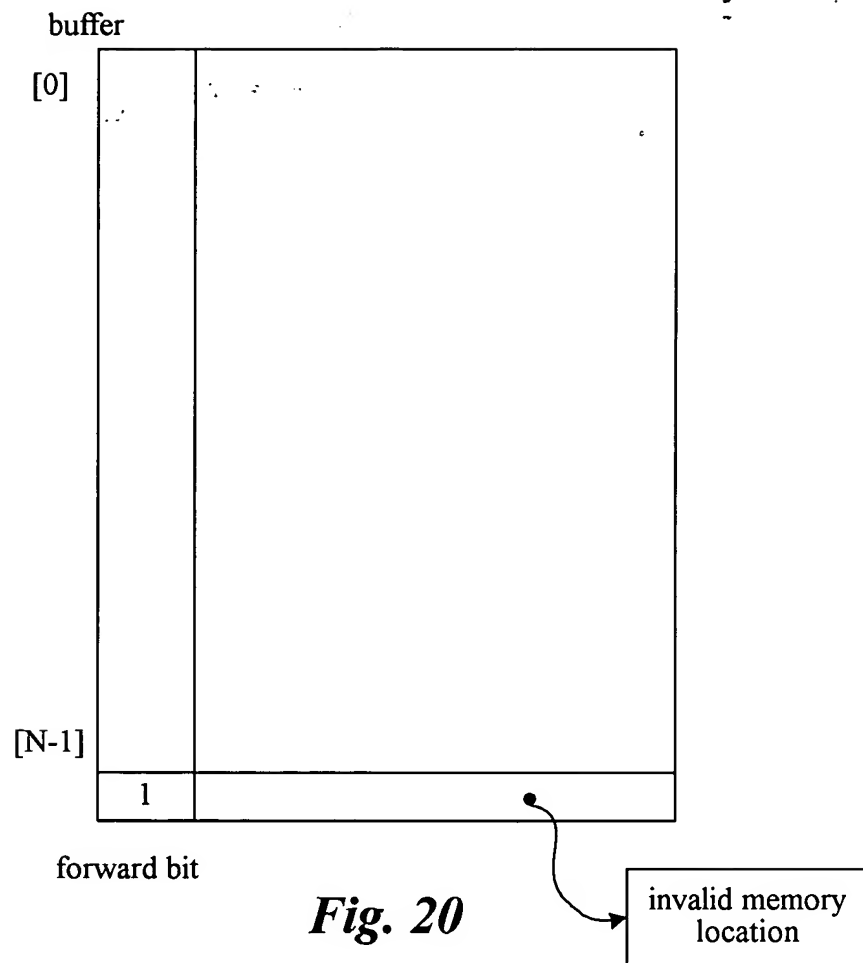


FIG. 19



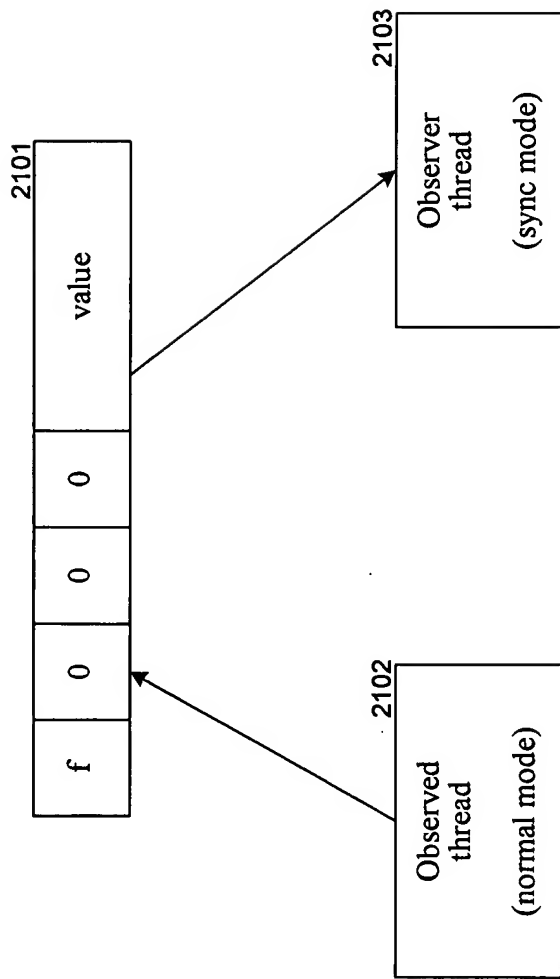


FIG. 21

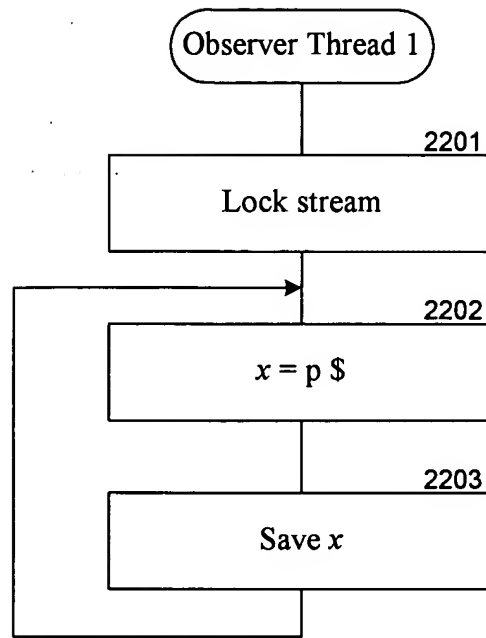


FIG. 22

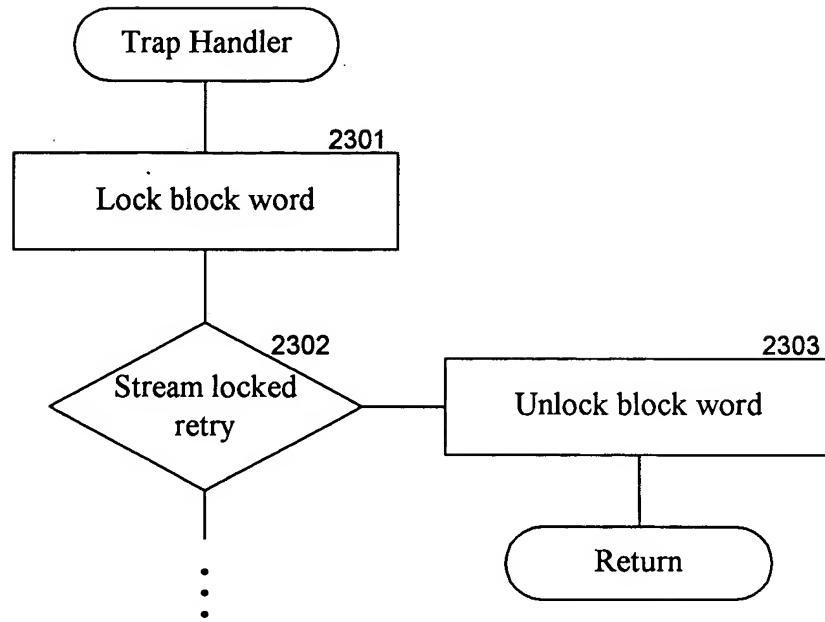


FIG. 23

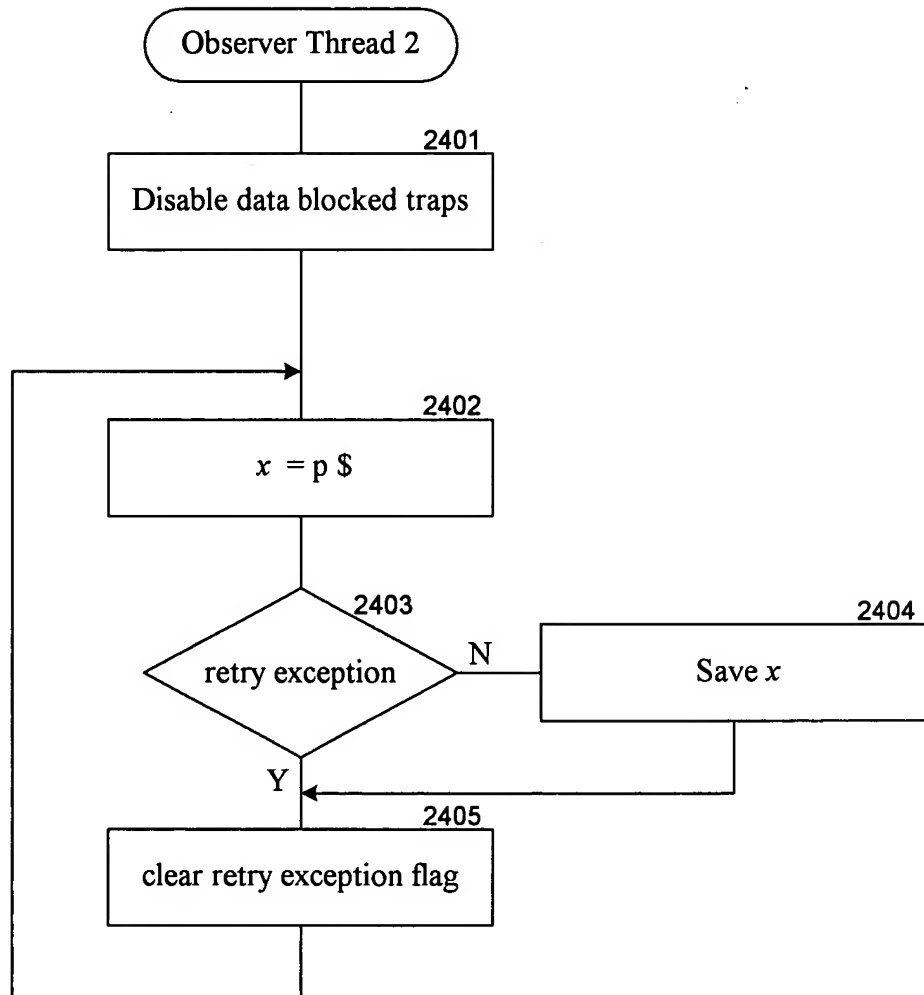


FIG. 24

Data Structure

1	
1	
⋮	⋮
1	
1	

Trap 1

Fig. 25